



Attorney Docket No.: 5808.200-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Martin Lehmann

Serial No.: 09/488,265

Confirmation No: 4209

Group Art Unit: 1652

Filed: January 20, 2000

Examiner: T. Saidha

For: Improved Phytases

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AMENDMENT AND RESPONSE TO NOTICE TO COMPLY WITH SEQUENCE RULES

Box Sequence  
Commissioner for Patents  
Washington, DC 20231

Sir:

In response to the Notice to Comply with Sequence Rules dated March 23, 2001, please amend the above-captioned application as follows (a marked up version pursuant to 37 C.F.R. 1.21 is attached hereto):

IN THE SPECIFICATION:

Please replace the paragraph from page 17, line 16 – page 19, line 3 with:

B1 Figure 1: Design of the consensus phytase-1 sequence. The following sequences were used for the alignment: phyA from *Aspergillus terreus* 9A-1 [Mitchell, D. B., Vogel, K., Weimann, B. J., Pasamontes, L. & van Loon, A. P. G. M. (1997) The phytase subfamily of histidine acid phosphatases: isolation of genes for two novel phytases from the fungi *Aspergillus terreus* and *Myceliophthora thermophila*, Microbiology 143, 245-252]; from amino acid (aa) 27; SEQ ID NO: 1]; phyA from *A. terreus* cbs116.46 [EP 897985]. A heat resistant phytase of *Aspergillus fumigatus* with superior performance in animal experiments. Phytase optimization and natural variability. In: The Biochemistry of phytate and phytases (eds. Rasmussen, S.K; Raboy, V.; Dalbøge, H. and Loewus, F.; Kluwer Academic Publishers); from aa 27; SEQ ID NO: 2; phyA from *Aspergillus niger* var. *awamori* (Piddington et al (1993) Gene 133, 55-62; from aa 27; SEQ ID NO: 3); phyA from *A. niger* T213 (EP 897985); from aa 27; SEQ ID NO: 4); phyA from *A. niger* strain NRRL3135 [van Hartingsveldt, W., van Zeijl, C. M. F., Hartevelde, G. M., Gouka, R. J., Suykerbuyk, M. E. G., Luiten, R. G. M., van Paridon, P. A.,